

1. **Bagshaw SM**, Wald R. Indications and Timing of Continuous Renal Replacement Therapy Application. Contrib Nephrol. 2018;194:25-37. doi: 10.1159/000485598. Epub 2018 Mar 29.
2. **Rewa OG**, Stelfox HT, Ingolfsson A, **Zygun DA**, Featherstone R, **Opgenorth D**, **Bagshaw SM**. Indicators of intensive care unit capacity strain: a systematic review. Crit Care. 2018 Mar 27;22(1):86. doi: 10.1186/s13054-018-1975-3.
3. Shears M, Takaoka A, Rochwerg B, **Bagshaw SM**, Johnstone J, Holding A, Tharmalingam S, Millen T, Clarke F, Rockwood K, Li G, Thabane L, Muscedere J, Stelfox HT, Cook DJ; Canadian Critical Care Trials Group. Assessing frailty in the intensive care unit: A reliability and validity study. J Crit Care. 2018 Feb 8;45:197-203. doi: 10.1016/j.jcrc.2018.02.004.
4. Klein SJ, Brandtner AK, Lehner GF, Ulmer H, **Bagshaw SM**, Wiedermann CJ, Joannidis M. Biomarkers for prediction of renal replacement therapy in acute kidney injury: a systematic review and meta-analysis. Intensive Care Med. 2018 Mar;44(3):323-336. doi: 10.1007/s00134-018-5126-8.
5. Fernando SM, Reardon PM, **Bagshaw SM**, Scales DC, Murphy K, Shen J, Tanuseputro P, Heyland DK, Kyeremanteng K. Impact of nighttime Rapid Response Team activation on outcomes of hospitalized patients with acute deterioration. Crit Care. 2018 Mar 14;22(1):67. doi: 10.1186/s13054-018-2005-1.
6. **Shaw AD**, **Bagshaw SM**. Fluid Therapy in the Critically Ill. Crit Care Clin. 2018 Apr;34(2):xiii-xiv. doi: 10.1016/j.ccc.2018.01.002.
7. Douvris A, Malhi G, Hiremath S, McIntyre L, Silver SA, **Bagshaw SM**, Wald R, Ronco C, Sikora L, Weber C, Clark EG. Interventions to prevent hemodynamic instability during renal replacement therapy in critically ill patients: a systematic review. Crit Care. 2018 Feb 22;22(1):41. doi: 10.1186/s13054-018-1965-5.
8. Daneman N, Rishu AH, Pinto R, Aslanian P, **Bagshaw SM**, Carignan A, Charbonney E, Coburn B, Cook DJ, Detsky ME, Dodek P, Hall R, Kumar A, Lamontagne F, Lauzier F, Marshall JC, Martin CM, McIntyre L, Muscedere J, Reynolds S, **Sligl W**, Stelfox HT, Wilcox ME, Fowler RA; Canadian Critical Care Trials Group. 7 versus 14 days of antibiotic treatment for critically ill patients with bloodstream infection: a pilot randomized clinical trial. Trials. 2018 Feb 17;19(1):111. doi: 10.1186/s13063-018-2474-1.
9. Sutherland SM, Goldstein SL, **Bagshaw SM**. Acute Kidney Injury and Big Data. Contrib Nephrol. 2018;193:55-67. doi: 10.1159/000484963.
10. Brown KN, Leigh JP, Kamran H, **Bagshaw SM**, Fowler RA, Dodek PM, Turgeon AF, Forster AJ, Lamontagne F, Soo A, Stelfox HT. Transfers from intensive care unit to hospital ward: a multicentre textual analysis of physician progress notes. Crit Care. 2018 Jan 28;22(1):19. doi: 10.1186/s13054-018-1941-0.
11. **Alobaidi R**, Morgan C, Basu RK, Stenson E, Featherstone R, Majumdar SR, **Bagshaw SM**. Association Between Fluid Balance and Outcomes in Critically Ill Children: A Systematic Review and Meta-analysis. JAMA Pediatr. 2018 Mar 1;172(3):257-268. doi: 10.1001/jamapediatrics.2017.4540.
12. Rolfs MA, Gross FL, Flannery B, Meyers AFA, Luo M, Bastien N, Fowler RA, Katz JM, Levine MZ, Kumar A, Uyeki TM; CSIS and ROSII Study Groups. Kinetics of Serological Responses in Critically Ill Patients Hospitalized With 2009

- Pandemic Influenza A(H1N1) Virus Infection in Canada, 2009-2011. J Infect Dis. 2018 Mar 13;217(7):1078-1088. doi: 10.1093/infdis/jiy013.
13. Garg AX, Shehata N, McGuinness S, Whitlock R, Fergusson D, Wald R, Parikh C, **Bagshaw SM**, Khanykin B, Gregory A, Syed S, Hare GMT, Cuerden MS, Thorpe KE, Hall J, Verma S, Roshanov PS, Sontrop JM, Mazer CD. Risk of Acute Kidney Injury in Patients Randomized to a Restrictive Versus Liberal Approach to Red Blood Cell Transfusion in Cardiac Surgery: A Substudy Protocol of the Transfusion Requirements in Cardiac Surgery III Noninferiority Trial. Can J Kidney Health Dis. 2018 Jan 3;5:2054358117749532. doi: 10.1177/2054358117749532.
14. Shehata N, Whitlock R, Fergusson DA, Thorpe KE, MacAdams C, Grocott HP, Rubens F, Fremes S, Lellouche F, **Bagshaw SM**, Royse A, Rosseel PM, Hare G, Medicis E, Hudson C, Belley-Cote E, Bainbridge D, Kent B, Shaw A, Byrne K, Syed S, Royse CF, McGuinness S, Hall J, Mazer CD. Transfusion Requirements in Cardiac Surgery III (TRICS III): Study Design of a Randomized Controlled Trial. J Cardiothorac Vasc Anesth. 2018 Feb;32(1):121-129. doi: 10.1053/j.jvca.2017.10.036. Epub 2017 Nov 3.
15. Fujii T, Ganeko R, Kataoka Y, Furukawa TA, Featherstone R, Doi K, Vincent JL, Pasero D, Robert R, Ronco C, **Bagshaw SM**. Polymyxin B-immobilized hemoperfusion and mortality in critically ill adult patients with sepsis/septic shock: a systematic review with meta-analysis and trial sequential analysis. Intensive Care Med. 2018 Feb;44(2):167-178. doi: 10.1007/s00134-017-5004-9.
16. Ostermann M, McCullough PA, Forni LG, **Bagshaw SM**, Joannidis M, Shi J, Kashani K, Honore PM, Chawla LS, Kellum JA; all SAPPHIRE Investigators. Kinetics of Urinary Cell Cycle Arrest Markers for Acute Kidney Injury Following Exposure to Potential Renal Insults. Crit Care Med. 2018 Mar;46(3):375-383. doi: 10.1097/CCM.0000000000002847.
17. **Bagshaw SM**, Wang X, Zygun DA, Zuege D, Dodek P, Garland A, Scales DC, Berthiaume L, Faris P, Chen G, **Opgenorth D**, Stelfox HT. Association between strained capacity and mortality among patients admitted to intensive care: A path-analysis modeling strategy. J Crit Care. 2018 Feb;43:81-87. doi: 10.1016/j.jcrc.2017.08.032.
18. Kok B, Lester ELW, Lee WM, Hanje AJ, Stravitz RT, Grgis S, Patel V, Peck JR, Esber C, **Karvellas CJ**; United States Acute Liver Failure Study Group. Acute Liver Failure from Tumor Necrosis Factor- $\alpha$  Antagonists: Report of Four Cases and Literature Review. Dig Dis Sci. 2018 Mar 21. doi: 10.1007/s10620-018-5023-6.
19. Goldfarb M, Bibas L, Newby LK, Henry TD, Katz J, **van Diepen S**, Cercek B. Systematic review and directors survey of quality indicators for the cardiovascular intensive care unit. Int J Cardiol. 2018 Feb 28. pii: S0167-5273(17)36417-3. doi: 10.1016/j.ijcard.2018.02.113.
20. Mehta SR, Bainey KR, Cantor WJ, Lordkipanidzé M, Marquis-Gravel G, Robinson SD, Sibbald M, So DY, Wong GC, Abunassar JG, Ackman ML, Bell AD, Cartier R, Douketis JD, Lawler PR, McMurry MS, Udell JA, **van Diepen S**, Verma S, Mancini GBJ, Cairns JA, Tanguay JF; members of the Secondary Panel. 2018 Canadian Cardiovascular Society/Canadian Association of

Interventional Cardiology Focused Update of the Guidelines for the Use of Antiplatelet Therapy. Can J Cardiol. 2018 Mar;34(3):214-233. doi: 10.1016/j.cjca.2017.12.012. Epub 2017 Dec 19.

21. Arabi Y, Al-Hameed F, Burns KEA, Mehta S, Alsolamy S, Almaani M, Mandourah Y, Almekhlafi GA, Al Bshabshe A, Finfer S, Alshahrani M, Khalid I, Mehta Y, Gaur A, Hawa H, Buscher H, Arshad Z, Lababidi H, Al Aithan A, Jose J, Abdulkahil SAI, Afesh LY, Dbsawy M, Al-Dawood A; PREVENT trial Group. Statistical analysis plan for the Pneumatic CompREssion for PreVENTing Venous Thromboembolism (PREVENT) trial: a study protocol for a randomized controlled trial. Trials. 2018 Mar 15;19(1):182. doi: 10.1186/s13063-018-2534-6.
22. Beattie WS, Wijeysundera DN, Chan MTV, Peyton PJ, Leslie K, Paech MJ, Sessler DI, Wallace S, Myles PS, Galagher W, Farrington C, Ditoro A, Baulch S, Sidiropoulos S, Bulach R, Bryant D, O'Loughlin E, Mitteregger V, Bolsin S, Osborne C, McRae R, Backstrom M, Cotter R, March S, Silbert B, Said S, Halliwell R, Cope J, Fahlbusch D, Crump D, Thompson G, Jefferies A, Reeves M, Buckley N, Tidy T, Schricker T, Lattermann R, Iannuzzi D, Carroll J, **Jacka M**, Bryden C, Badner N, Tsang MWY, Cheng BCP, Fong ACM, Chu LCY, Koo EGY, Mohd N, Ming LE, Campbell D, McAllister D, Walker S, Olliff S, Kennedy R, Eldawlatly A, Alzahrani T, Chua N, Sneyd R, McMillan H, Parkinson I, Brennan A, Balaji P, Nightingale J, Kunst G, Dickinson M, Subramaniam B, Banner-Godspeed V, Liu J, Kurz A, Hesler B, Fu AY, Egan C, Fiffick AN, Hutcherson MT, Turan A, Naylor A, Obal D, Cooke E; ANZCA Clinical Trials Network for the ENIGMA-II Investigators. Implication of Major Adverse Postoperative Events and Myocardial Injury on Disability and Survival: A Planned Subanalysis of the ENIGMA-II Trial. Anesth Analg. 2018 Mar 12. doi: 10.1213/ANE.0000000000003310.
23. **Jacka MJ**, Guyatt G, Mizera R, Van Vlymen J, Ponce de Leon D, Schricker T, Bahari MY, Lv B, Afzal L, Plou García MP, Wu X, Nigro Maia L, Arrieta M, Rao-Melacini P, Devereaux PJ. Age Does Not Affect Metoprolol's Effect on Perioperative Outcomes (From the POISE Database). Anesth Analg. 2018 Apr;126(4):1150-1157. doi: 10.1213/ANE.0000000000002804.
24. White CW, Messer SJ, Large SR, Conway J, Kim DH, **Kutsogiannis DJ**, Nagendran J, Freed DH. Transplantation of Hearts Donated after Circulatory Death. Front Cardiovasc Med. 2018 Feb 13;5:8. doi: 10.3389/fcvm.2018.00008.
25. Li Y, Pederson JL, Churchill TA, Wagg AS, Holroyd-Leduc JM, Alagiakrishnan K, Padwal RS, Khadaroo RG. Impact of frailty on outcomes after discharge in older surgical patients: a prospective cohort study. CMAJ. 2018 Feb 20;190(7):E184-E190. doi: 10.1503/cmaj.161403.
26. Pilieci SN, Salim SY, Heffernan DS, Itani KMF, **Khadaroo RG**. A Randomized Controlled Trial of Video Education versus Skill Demonstration: Which Is More Effective in Teaching Sterile Surgical Technique? Surg Infect (Larchmt). 2018 Apr;19(3):303-312. doi: 10.1089/sur.2017.231.
27. Eamer G, Taheri A, Chen SS, Daviduck Q, Chambers T, Shi X, **Khadaroo RG**. Comprehensive geriatric assessment for older people admitted to a surgical service. Cochrane Database Syst Rev. 2018 Jan 31;1:CD012485. doi: 10.1002/14651858.CD012485.pub2.

28. Eamer GJ, Clement F, Pederson JL, Churchill TA, **Khadaroo RG**. Analysis of postdischarge costs following emergent general surgery in elderly patients. Can J Surg. 2018 Feb;61(1):19-27.
29. Laurent E, Schonfeld IS, Bianchi R, Hawryluck L, **Brindley PG**. On the "bubble" of burnout's prevalence estimates: Discussion on: Psychological burnout and critical care medicine: big threat, big opportunity. Intensive Care Med. 2018 Feb 21. doi: 10.1007/s00134-018-5084-1.
30. Hawryluck L, **Brindley PG**. Psychological burnout and critical care medicine: big threat, big opportunity. Intensive Care Med. 2018 Jan 20. doi: 10.1007/s00134-018-5063-6.
31. **Brindley PG, Douma MJ**, Beed M, Garros D. Comparing the socioeconomic status of critical care doctors and patients. Can J Anaesth. 2018 Mar;65(3):333-334. doi: 10.1007/s12630-017-1025-7.
32. **Douma MJ**. Automated video surveillance and machine learning: Leveraging existing infrastructure for cardiac arrest detection and emergency response activation. Resuscitation. 2018 Feb 21. pii: S0300-9572(18)30076-5. doi: 10.1016/j.resuscitation.2018.02.010
33. **Hudson D**, Kushniruk A, Borycki E, Zuege DJ. Physician satisfaction with a critical care clinical information system using a multimethod evaluation of usability. Int J Med Inform. 2018 Apr;112:131-136. doi: 10.1016/j.ijmedinf.2018.01.010.
34. **Hall A**, Stelfox H, Wang X, Chen G, Zuege D, Dodek P, Garland A, Scales D, Berthiaume L, **Zygun D, Bagshaw S**. Association between after hours admission to the intensive care unit, strained capacity, and mortality: a retrospective cohort study. Critical Care. 2018 April 22:97 doi: 10.1186/s13054-018-2027-8
35. Bove T, Belletti A, Putzu A, Pappacena S, Denaro G, Landoni G, **Bagshaw SM**, Zangrillo A. Intermittent furosemide administration in patients with or at risk for acute kidney injury: Meta-analysis of randomized trials. PLoS One. 2018 Apr 24;13(4):e0196088.
36. Alberda C, Marcushamer S, Hewer T, Journault N, **Kutsogiannis D**. Feasibility of a Lactobacillus casei Drink in the Intensive Care Unit for Prevention of Antibiotic Associated Diarrhea and Clostridium difficile. Nutrients. 2018 Apr 26;10(5). pii: E539. doi: 10.3390/nu10050539.
37. Au SS, Roze des Ordons AL, Parsons Leigh J, Soo A, Guienguer S, **Bagshaw SM**, Stelfox HT. A Multicenter Observational Study of Family Participation in ICU Rounds. Crit Care Med. 2018 May 7. doi: 10.1097/CCM.0000000000003193.
38. **Parker A, Karvellas C**. Coagulation Defects in the Cirrhotic Patient Undergoing Liver Transplantation. Transplantation: May 7, 2018 - Volume Online doi: 10.1097/TP.0000000000002273
39. de Grood C, Parsons Leigh J, **Bagshaw S**, Dodek P, Fowler R, Forster A, Boyd J, Stelfox T. Patient, family and provider experiences with transfers from intensive care unit to hospital ward: a multicentre qualitative study. CMAJ June 04, 2018 190 (22) E669-E676; DOI: <https://doi.org/10.1503/cmaj.170588>
40. **Rewa O**, Eurich D, **Gibney N, Bagshaw S**. A modified Delphi process to identify, rank and prioritize quality indicators for continuous renal replacement therapy (CRRT) care in critically ill patients. Journal of Critical Care 47 (2018) 145–152 <https://doi.org/10.1016/j.jcrc.2018.06.023>

41. Brundin-Mather R, Soo A, Zuege DJ, Niven DJ, Fiest K, Doig CJ, **Zygun D**, Boyd JM, Parsons Leigh J, **Bagshaw SM**, Stelfox HT. Secondary EMR data for quality improvement and research: A comparison of manual and electronic data collection from an integrated critical care electronic medical record system. Journal of Critical Care 47 (2018) 295-301  
<https://doi.org/10.1016/j.jcrc.2018.07.021>
42. **Karvellas CJ**, Garcia-Lopez E, Fernandez J, Saliba F, Sy E, Jalan R Pavesi M, Gustot T, Ronco J, Arroyo V for the Chronic Liver Failure Consortium and European Foundation for the Study of Chronic Liver Failure. Dynamic Prognostication in Critically Ill Cirrhotic Patients With Multiorgan Failure in ICUs in Europe and North America: A Multicenter Analysis Critical Care Medicine: August 13, 2018 - Volume Online First  
<https://doi.org/10.1097/CCM.0000000000003369>
43. DeGirolamo K, D'Souza K, Apte S, Ball C, Armstrong C, Reso A, **Widder S**, Mueller S, Gillman LM, Singh R, Nenshi R, Khwaja K, Minor S, de Gara C, Hameed M. A day in the life of emergency general surgery in Canada: a multicentre observational study. Can J Surg 2018;61(4):237-243  
<https://doi.org/10.1503/cjs.013517>
44. Verhoeff K, Saybel R, Mathura P, Tsang B, Fawcett V, **Widder S**. Ensuring adequate vascular access in patients with major trauma: a quality improvement initiative. BMJ Open Qual. 2018 Jan 9;7(1):e000090  
<https://doi.org/10.1136/bmjoq-2017-000090>
45. Stelfox HT, Soo A, Niven DJ, Fiest KM, Wunsch H, Rowan KM, **Bagshaw SM**. Assessment of the Safety of Discharging Select Patients Directly Home From the Intensive Care Unit. A Multicenter Population-Based Cohort Study. JAMA Intern Med. Published online August 20, 2018  
<https://doi.org/10.1001/jamainternmed.2018.3675>
46. **Ogenorth D**, Stelfox HT, Gilfoyle E, **Gibney RTN**, Meier M, Boucher P, **McKinlay D**, McIntosh C, Wang W, **Zygun DA**, **Bagshaw SM**. Perspectives on strained intensive care unit capacity: A survey of critical care professionals. PLoS ONE 13(8): e0201524. <https://doi.org/10.1371/journal.pone.0201524>
47. Hoste EJ, Kellum, JA, Selby NM, Zarbock A, Palevsky PM, **Bagshaw SM**, Goldstein SL, Cerdá J, Chawla LS. Global epidemiology and outcomes of acute kidney injury. Nature Reviews Nephrology 22 August 2018  
<https://doi.org/10.1038/s41581-018-0052-0>
48. Mazer CD, Whitlock RP, Ferguson DA, Belley-Cote E, Connolly K, Khanykin B, Gregory AJ, de Médicis É, Carrier FM, McGuinness S, Young PJ, Byrne K, Villar JC, Royse A, Grocott HP, Seeberger MD, Mehta C, Lellouche F, Hare GMT, Painter TW, Fremes S, Syed S, **Bagshaw SM**, Hwang NC, Royse C, Hall J, Dai D, Mistry N, Thorpe K, Verma S, Jüni P, Shehata N; TRICS Investigators and Perioperative Anesthesia Clinical Trials Group. Six-Month Outcomes after Restrictive or Liberal Transfusion for Cardiac Surgery. N Engl J Med. 2018 Aug 26. <https://doi.org/10.1056/NEJMoa1808561>
49. Young PJ, **Bagshaw SM**, Forbes A, Nichol A, Wright SE, Bellomo R, Bailey MJ4, Beasley RW, Eastwood GM, Festa M, Gattas D, van Haren F, Litton E, Mouncey PR, Navarra L, Pilcher D, Mackle DM, McArthur CJ, McGuinness SP, Saxena

- MK, Webb S, Rowan KM; Australian and New Zealand Intensive Care Society Clinical Trials Group on behalf of the PEPTIC investigators A cluster randomised, crossover, registry-embedded clinical trial of proton pump inhibitors versus histamine-2 receptor blockers for ulcer prophylaxis therapy in the intensive care unit (PEPTIC study): study protocol. Crit Care Resusc. 2018 Sep;20(3):182-189.
50. **Montgomery C**, Rolfsen DB, **Bagshaw SM**. Frailty and the Association Between Long-Term Recovery After Intensive Care Unit Admission. Crit Care Clin - (2018) In Press. <https://doi.org/10.1016/j.ccc.2018.06.007>
51. Arabi Y, Al-Hameed F, Burns KEA, Mehta S, Alsolamy S, Almaani M, Mandourah Y, Almekhlafi GA, Al Bshabshe A, Finfer S, Alshahrani M, Khalid I, Mehta Y, Gaur A, Hawa H, Buscher H, Arshad Z, Lababidi H, Al Aithan A, Jose J, Abdulkahil SAI, Afesh LY, Dbsawy M, Al-Dawood A; PREVENT trial Group. Statistical analysis plan for the Pneumatic CompREssion for PreVENTing Venous Thromboembolism (PREVENT) trial: a study protocol for a randomized controlled trial. Trials. 2018 Mar 15;19(1):182. <https://doi.org/10.1186/s13063-018-2534-6> PMID: 29544550
52. Buse GL, Manns B, Lamy A, Guyatt G, Polanczyk CA, Chan MTV, Wang CY, Villar JC, Sigamani A, Sessler DI, Berwanger O, Biccard BM, Pearse R, Urrutia G, Szczeklik W, Garutti I, Srinathan S, Malaga G, Abraham V, Chow CK, **Jacka MJ**, Tiboni M, Ackland G, Macneil D, Sapsford R, Leuwer M, Le Manach Y, Devereaux PJ. Troponin T monitoring to detect myocardial injury after noncardiac surgery: a cost-consequence analysis. Can J Surg. 2018 Jun;61(3):185-194. <https://doi.org/10.1503/cjs.010217> PMID: 29806816
53. Devereaux PJ, Duceppe E, Guyatt G, Tandon V, Rodseth R, Biccard BM, Xavier D, Szczeklik W, Meyhoff CS, Vincent J, Franzosi MG, Srinathan SK, Erb J, Magloire P, Neary J, Rao M, Rahate PV, Chaudhry NK, Mayosi B, de Nadal M, Iglesias PP, Berwanger O, Villar JC, Botto F, Eikelboom JW, Sessler DI, Kearon C, Pettit S, Sharma M, Connolly SJ, Bangdiwala SI, Rao-Melacini P, Hoeft A, Yusuf S; MANAGE Investigators. Dabigatran in patients with myocardial injury after non-cardiac surgery (MANAGE): an international, randomised, placebo-controlled trial. Lancet. 2018 Jun 9;391(10137):2325-2334. [https://doi.org/10.1016/S0140-6736\(18\)30832-8](https://doi.org/10.1016/S0140-6736(18)30832-8) PMID: 29900874
54. Shumilak G, **Sligl W**. Moving Past the Routine Use of Macrolides—Reviewing the Role of Combination Therapy in Community-Acquired Pneumonia. Respiratory Infections First Online: 06 September 2018 <https://doi.org/10.1007/s11908-018-0651-8>
55. Rolfsen DB, Heckman GA, **Bagshaw SM**, Robertson D, Hirdes JP, On Behalf Of Canadian Frailty Network. Implementing Frailty Measures in The Canadian Healthcare System. J Frailty Aging 2018;in press; Published on line.
56. McAlister FA, Youngson E, **van Diepen S**, Ezekowitz JA, Kaul P. Influence of hospital volume on outcomes for patients with heart failure: Evidence from a Canadian national cohort study. American Heart Journal Volume 202, August 2018, Pages 148-150. <https://doi.org/10.1016/j.ahj.2018.05.014>
57. **van Diepen S**, Tran DT, Ezekowitz JA, **Zygun DA**, Katz JN, Lopes RD, Newby LK, McAlisterFA, Kaul P. The high cost of critical care unit over-utilization for

- patients with NSTE ACS. American Heart Journal Volume 202, August 2018, Pages 84-88. <https://doi.org/10.1016/j.ahj.2018.05.003>
58. **van Diepen S.** Norepinephrine as a First-Line Inopressor in Cardiogenic Shock: Oversimplification or Best Practice? Journal of the American College of Cardiology Volume 72, Issue 2, 10 July 2018, Pages 183-186 <https://doi.org/10.1016/j.jacc.2018.04.052>
59. Alviar CL, Miller E, McAreavey D, Katz JN, Lee B, Moriyama B, Soble J, **van Diepen S**, Solomon MA, Morrow DA, ACC Critical Care Cardiology Working Group. Positive Pressure Ventilation in the Cardiac Intensive Care Unit. Journal of the American College of Cardiology Volume 72, Issue 13, 25 September 2018, Pages 1532-1553. <https://doi.org/10.1016/j.jacc.2018.06.074>
60. Mebazaa A, Combes A, **van Diepen S**, Hollinger A, Katz JN, Landoni G, Hijar LA, Lassus J, Lebreton G, Montalescot G, Park JJ, Price S, Sionis A, Yannopolos D, Harjola V, Levy B, Thiele H. Management of cardiogenic shock complicating myocardial infarction. Intensive Care Medicine June 2018, Volume 44, Issue 6, pp 760–773. <https://doi.org/10.1007/s00134-018-5214-9>
61. Sun LY, Chung AM, Farkouh ME, **van Diepen S**, Weinberger J, Bourke M, Ruel M. Defining an Intraoperative Hypotension Threshold in Association with Stroke in Cardiac Surgery. Anesthesiology 2018; 129:440-7. <https://doi.org/10.1097/ALN.000000+30000002298>
62. Verhoeff K, Glen P, Taheri A, Min B, Tsang B, Fawcett V, **Widder S.** Implementation and adoption of advanced care planning in the elderly trauma patient. World Journal of Emergency Surgery (2018) 13:40. <https://doi.org/10.1186/s13017-018-0201-6>
63. Sauro KM, Soo A, Kramer A, Couillard P, Kromm J, **Zygun D**, Niven DJ, **Bagshaw SM**, Stelfox HT. Venous thromboembolism prophylaxis in neurocritical care patients: Are current practices, best practices? Neurocritical Care 2018 Oct 1. <https://doi.org/10.1007/s12028-018-0614-9> [Epub ahead of print]
64. Dellinger RP, **Bagshaw SM**, Antonelli A, Foster DM, Klein DJ, Marshall JC, Palevsky PM, Weisberg LS, Shorr CA, Trzedak S, Walker PM. Effect of Targeted Polymyxin B Hemoperfusion on 28-Day Mortality in Patients With Septic Shock and Elevated Endotoxin Level: The EUPHRATES Randomized Clinical Trial. JAMA. 2018;320(14):1455-1463. <https://doi.org/10.1001/jama.2018.14618>
65. Rolfsen DB, Heckman GA, **Bagshaw SM**, Robertson D, Hirdes JP, Canadian Frailty Network. Implementing Frailty Measures in the Canadian Healthcare System. J Frailty Aging (2018) 7: 208. <https://doi.org/10.14283/jfa.2018.29>
66. **van Diepen S**, Norris CM, Zheng Y, Nagendran J, Graham MM, Gaete Ortega D, **Townsend DR**, Justin A. Ezekowitz, **Sean M. Bagshaw.** Comparison of Angiotensin-Converting Enzyme Inhibitor and Angiotensin Receptor Blocker Management Strategies Before Cardiac Surgery: A Pilot Randomized Controlled Registry Trial. J Am Heart Assoc. 2018;7:009917. <https://doi.org/10.1161/JAHA.118.009917>
67. **Bagshaw SM**, Stelfox HT, Iwashyna T, Bellomo R, Zuege D, Wang X, Timing of onset of persistent critical illness: a multi-centre retrospective cohort study Intensive Care Med (2018) <https://doi.org/10.1007/s00134-018-5440-1>

68. Al-Dorzi HM, Adawood AS, Tamim H, Haddad SH, Jones G, McIntyre L, Solaiman O, Sakhija M, Sadat M, Afesh L, Kumar A, **Bagshaw SM**, Mehta S, Arabi YM. Caloric intake and the fat-to-carbohydrate ratio in hypercapnic acute respiratory failure: Post-hoc analysis of the PermiT trial. Clinical Nutrition ESPEN Online 13 November 2018 <https://doi.org/10.1016/j.clnesp.2018.10.012>
69. Senaratne JM, Norris CM, Youngson E, McClure RS, Nagendran J, Butler CR, Meyer SR, Anderson TJ, Van Diepen S. Variables associated with cardiac surgical waitlist mortality from a population-based cohort. Canadian Journal of Cardiology (2018), <https://doi.org/10.1016/j.cjca.2018.10.007>
70. Galm BP, **Bagshaw SM**, Senior PA, Acute management of diabetic ketoacidosis in adults at three teaching hospitals in Canada: a multi-centre, retrospective cohort study. Canadian Journal of Diabetes (2018). <https://doi.org/10.1016/j.jcjd.2018.11.003>
71. Bajaj JS, Moreau R, Kamath PS, Vargas HE, Arroyo V, Reddy KR, Szabo G, Tandon P, Olson J, **Karvellas C**, Gustot T, Lai JC, Wong F. Acute-on-Chronic Liver Failure: Getting Ready for Prime Time? Hepatology. 2018 Oct;68(4):1621-1632 <https://doi.org/10.1002/hep.30056>
72. Sundaram V, Jalan R, Ahn JC, Charlton MR, Goldberg DS, **Karvellas CJ**, Noureddin M, Wong RJ. Class III obesity is a risk factor for the development of acute-on-chronic liver failure in patients with decompensated cirrhosis. J Hepatol. 2018 Sep;69(3):617-625. <https://doi.org/10.1016/j.jhep.2018.04.016>.
73. Parker A, **Karvellas CJ**. Coagulation Defects in the Cirrhotic Patient Undergoing Liver Transplantation. Transplantation. 2018 Sep;102(9):1453-1458. <https://doi.org/10.1097/TP.0000000000002273>
74. Cardoso FS, Karvellas CJ. Respiratory Complications Before and After Liver Transplant. J Intensive Care Med. 2018 Jan. <https://doi.org/10.1177/0885066618781526>
75. Geib T, LeBlanc A, Shiao TC, Roy R, Leslie EM, **Karvellas CJ**, Sleno L. Absolute quantitation of acetaminophen-modified human serum albumin in acute liver failure patients by LC-MS/MS. Rapid Commun Mass Spectrom. 2018 Jun 19. <https://doi.org/10.1002/rcm.8206>
76. Kok B, Dong V, Karvellas CJ. Graft Dysfunction and Management in Liver Transplantation. Crit Care Clin. 2019 Jan;35(1):117-133. <https://doi.org/10.1016/j.ccc.2018.08.002>
77. Speiser JL, **Karvellas CJ**, Shumilak G, **Sligl WI**, Mirzanejad Y, Gurka D, Kumar A, Kumar A; Institutional Review Boards (IRB) of the Cooperative Antimicrobial Therapy of Septic Shock (CATSS) Database Research Group. Predicting in-hospital mortality in pneumonia-associated septic shock patients using a classification and regression tree: a nested cohort study. J Intensive Care. 2018 Oct 12;6:66. <https://doi.org/10.1186/s40560-018-0335-3>
78. Duggan LV, **Brindley PG**, Law JA. Improving communication, teamwork, and action during a "cannot intubate cannot oxygenate (CICO)" emergency: employing CICO as a cognitive aid mnemonic. Can J Anaesth. 2018 Oct;65(10):1087-1092 <https://doi.org/10.1007/s12630-018-1193-0>
79. Pirompanich P, Karakitsos D, Alharthy A, Gillman LM, Blaivas M, **Buchanan BM**, **Brindley PG**, Wattanathum A. Evaluating Extravascular Lung Water in Sepsis:

- Three Lung-Ultrasound Techniques Compared against Transpulmonary Thermodilution. Indian J Crit Care Med. 2018 Sep;22(9):650-655.  
[https://doi.org/10.4103/ijccm.IJCCM\\_256\\_18](https://doi.org/10.4103/ijccm.IJCCM_256_18)
80. Eamer G, Al-Amoodi MJH, Holroyd-Leduc J, Rolfson DB, Warkentin LM, **Khadaroo RG.** Review of risk assessment tools to predict morbidity and mortality in elderly surgical patients. Am J Surg. 2018 Sep;216(3):585-594.  
<https://doi.org/10.1016/j.amjsurg.2018.04.006>
81. McComb A, Warkentin LM, McNeely ML, **Khadaroo RG.** Development of a reconditioning program for elderly abdominal surgery patients: the Elder-friendly Approaches to the Surgical Environment-BEdside reconditioning for Functional ImprovemenTs (EASE-BE FIT) pilot study. World J Emerg Surg. 2018 May 21;13:21 <https://doi.org/10.1186/s13017-018-0180-7>
82. Mueller K, Kokotilo MS, Carter JM, Thiesen A, Madsen KL, Studzinski J, **Khadaroo RG**, Churchill TA. Creatine-loading preserves intestinal barrier function during organ preservation. Cryobiology. 2018 Oct;84:69-76  
<https://doi.org/10.1016/j.cryobiol.2018.07.009>
83. Abdelrasoul GN, MacKay S, Salim SY, Ismond KP, Tamura M, Khalifa C, Mannan E, Lin D, Mandal T, Montgomery RR, Wishart DS, Chen J, **Khadaroo RG.** Non-invasive Point-of-Care Device To Diagnose Acute Mesenteric Ischemia. ACS Sens. 2018 Nov. <https://doi.org/10.1021/acssensors.8b00558>
84. **Macala KF, Khadaroo RG**, Panahi S, Gragasin FS, Bourque SL. Low dose Intralipid resuscitation improves survival compared to ClinOleic in propranolol overdose in rats. PLoS One. 2018 Aug 30;13(8):e0202871  
<https://doi.org/10.1371/journal.pone.0202871>
85. Khormi YH, Gosadi I, Campbell S, Senthil Selvan A, O'Kelly C, **Zygun D.** Adherence to Brain Trauma Foundation Guidelines for Management of Traumatic Brain Injury Patients and Its Effect on Outcomes: Systematic Review. J Neurotrauma. 2018 Jul 1;35(13):1407-1418.  
<https://doi.org/10.1089/neu.2017.5345>
86. Soril LJJ, Noseworthy TW, Dowsett LE, Memedovich K, Holitzki HM, Lorenzetti DL, Stelfox HT, **Zygun DA**, Clement FM. Behaviour modification interventions to optimise red blood cell transfusion practices: a systematic review and meta-analysis. BMJ Open. 2018 May 18;8(5):e019912.  
<https://doi.org/10.1136/bmjopen-2017-019912>
87. Gerges PRA, Moore L, Léger C, Lauzier F, Shemilt M, Zarychanski R, Scales DC, Burns KEA, Bernard F, **Zygun D**, Neveu X, Turgeon AF; Canadian Critical Care Trials Group. Intensity of care and withdrawal of life-sustaining therapies in severe traumatic brain injury patients: a post-hoc analysis of a multicentre retrospective cohort study. Can J Anaesth. 2018 Sep;65(9):996-1003.  
<https://doi.org/10.1007/s12630-018-1171-6>
88. Kramer AH, Couillard PL, **Zygun DA**, Aries MJ, Gallagher CN. Continuous Assessment of "Optimal" Cerebral Perfusion Pressure in Traumatic Brain Injury: A Cohort Study of Feasibility, Reliability, and Relation to Outcome. Neurocrit Care. 2018 Jul 9. <https://doi.org/10.1007/s12028-018-0570-4>
89. Laffin MR, Li S, **Brisebois R**, Senior PA, Wang H. The Use of a Pre-operative Carbohydrate Drink in Patients with Diabetes Mellitus: A Prospective, Non-

- inferiority, Cohort Study. World J Surg. 2018 Jul;42(7):1965-1970.  
<https://doi.org/10.1007/s00268-017-4413-9>
90. Cheung L. CONTeMPLATE-a mnemonic to help medical educators infuse reflection into their residency curriculum. Perspect Med Educ. 2018 Feb;7(1):58-61. <https://doi.org/10.1007/s40037-017-0400-y>
91. Cheung L. SAFE QI - a framework to overcome the challenges of implementing a quality improvement curriculum into a residency program. Adv Med Educ Pract. 2017 Dec 1;8:779-784. <https://doi.org/10.2147/AMEP.S150718>
92. Martin L, Hopkins J, Malietzis G, Jenkins JT, Sawyer MB, Brisebois R, MacLean A, Nelson G, Gramlich L, Baracos VE. Assessment of Computed Tomography (CT)-Defined Muscle and Adipose Tissue Features in Relation to Short-Term Outcomes After Elective Surgery for Colorectal Cancer: A Multicenter Approach. Ann Surg Oncol. 2018 Sep;25(9):2669-2680.  
<https://doi.org/10.1245/s10434-018-6652-x>
93. Al Saadon A, Katulka R, Sebastianski M, Featherstone R, Vandermeer B, Gibney N, Rewa O, Bagshaw S. Determining the optimal time for liberation from renal replacement therapy in critically ill patients: protocol for a systematic review and meta-analysis (DOnE RRT). BMJ Open 2018;8:e023306.  
<https://doi.org/10.1136/bmjopen-2018-023306>
94. Tedjasaputra V, van Diepen S, Phillips DB, Wong EYL, Bhutani M, Michaelchuk WW, Bryan TL, Stickland MK. Pulmonary capillary blood volume response to exercise is diminished in mild chronic obstructive pulmonary disease. Respiratory Medicine 2018; 145: 57–65 <https://doi.org/10.1016/j.rmed.2018.10.015>
95. Tsui AKY, Lyon ME, van Diepen S, Goudreau BL, Thomas D, Higgins T, Raizman JE, Füzéry AK, Rodriguez-Capote K, Estey M, Cembrowski G. Analytical Concordance of Diverse Point-of-Care and Central Laboratory Troponin I Assays. The Journal of Applied Laboratory Medicine 2018  
<https://doi.org/10.1373/jalm.2018.026690> (see Editorial by Saengar AK. The Journal of Applied Laboratory Medicine. 2018; DOI: 10.1373/jalm.2018.027714)
96. Dang JT, Lester E, Sun W, Fawcett V, Widder S, Tsang B. The impact of traumatic injury in the oil and gas industry. Trauma 2019, Vol. 21(1) 61–67  
<https://doi.org/10.1177/1460408617744817>
97. Cheung L. Advancing scholarship by publishing curriculum as an e-book. Education for Health. 2018;31(2):130-3. [https://doi.org/10.4103/efh.EfH\\_75\\_17](https://doi.org/10.4103/efh.EfH_75_17)